DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION	
1. Company Name	Walters Ready Mix Inc.
2. Facility Name (if different than #1)	
3. Facility I.D. No.	
4. Brief Project Description:	Portable Concrete Batch Plant - New Permit
FACILITY INFORMATION	
5. Owned/operated by: (√ if applicable)	☐ Federal government ☐ County government ☐ State government ☐ City government
6. Primary Facility Permit Contact Person/Title	James Walters Plant Manager
7. Telephone Number and Email Address	208-354-3491 ajsright414@aol.com
8. Alternate Facility Contact Person/Title	David Walters President
9. Telephone Number and Email Address	208-356-5491
10. Address to which permit should be sent	P.O. Box 340
11. City/State/Zip	Rexburg ID. 83440
12. Equipment Location Address (if different than #9)	342 W. 4th N.
13. City/State/Zip	Rexburg ID. 83440
14. Is the Equipment Portable?	☒ Yes ☐ No
15. SIC Code(s) and NAISC Code	Primary SIC: Secondary SIC (if any): NAICS:
16. Brief Business Description and Principal Product	Concrete supply - Ready Mixed
17. Identify any adjacent or contiguous facility that this company owns and/or operates	
PERMIT APPLICATION TYPE	
18. Specify Reason for Application	☒ New Facility ☐ New Source at Existing Facility ☐ Modify Existing Source: Permit No.:____ Date Issued: ____ ☐ Unpermitted Existing Source: ☐ Required by Enforcement Action: Case No.:____
CERTIFICATION	
IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.	
19. Responsible Official's Name/Title	David J Walters President
20. RESPONSIBLE OFFICIAL SIGNATURE	David J Walters Date: 3-20-07
21. ☐ Check here to indicate you would like to review a draft permit prior to final issuance.	

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PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 4 before filling out the form.

GENERAL INFORMATION

Company Name:	Walters Ready Mix Inc.		
Facility Name:		**Facility ID No:**	
Brief Project Description:	Portable Concrete Batch Plant - New Permit		
Mailing Address:	P.O. Box 390		
City:	Rexburg	**State:**	ID.
Zip Code:	83440	**County:**	Madison
General Nature of Business & Products:	Concrete Ready Mix - Concrete - Aggregate sales		

Contact Name, Title:	James Walters	Plant Manager	
Phone:	208-354-3491	**Cell:**	208-313-5688
Email:	ajsugrat414@aol.com		

Owner or Responsible Official Name, Title:	David Walters - President
Phone:	208-356-5491
Email:	

Proposed Initial Plant Location:	342 W. 4th N.		
Nearest City:	Rexburg	**Estimated Startup Date:**	5-07
County:	Madison		

Reason for Application:	☒ Permit to construct a new source ☐ Permit to operate an existing unpermitted source ☐ Permit to modify/revise an existing permitted source (identify the permit below) Permit No.: Issue Date: Facility ID:

☒ Check here to indicate you would like to review a draft permit prior to final issuance.

Comments: We are requesting this ~~permit~~ Facility be permitted to collocate with one other batch plant and crusher.

CONCRETE BATCH PLANT INFORMATION

1. Concrete Batch Plant

Manufacturer:	Vince Hagan	Model:	HT-12400 C-80/4
Manufacture Date:	2007		
Maximum Hourly Throughput:	200 (cy/hour)		
Maximum Daily Throughput:	1600 (cy/day)		
Maximum Annual Throughput:	416,000 (cy/year)		
Requested Annual Throughput:	50,000 (cy/year)		

2a. Cement Storage Silo Baghouse No. 1

Manufacturer:	Vince Hagan	Model:	VH245 JP
Stack Height from Ground:	34 (ft)	Exit Air Flow Rate:	600 (acfm)
Stack Inside Diameter:	.226 (ft)	* PM_{10} Control Efficiency:	99.995 (%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM_{10} control efficiency if available.			

2b. Cement Storage Silo Baghouse No. 2

Manufacturer:	Vince Hagan	Model:	~~HT-500 CHL~~. VH245 JP
Stack Height from Ground:	34 (ft)	Exit Air Flow Rate:	600 ~~650~~ (acfm) 28-33/Sq. Ft
Stack Inside Diameter:	.226 (ft)	* PM_{10} Control Efficiency:	99.995 (%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM_{10} control efficiency if available.			

2c. Cement Supplement (such as flyash) Storage Silo Baghouse No. ____

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM_{10} Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM_{10} control efficiency if available.			

2d. Cement Supplement (such as flyash) Storage Silo Baghouse No. ____

Manufacturer:		Model:	
Stack Height from Ground:	(ft)	Exit Air Flow Rate:	(acfm)
Stack Inside Diameter:	(ft)	* PM_{10} Control Efficiency:	(%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM_{10} control efficiency if available.			

3. Weigh Batcher Baghouse(s)

Manufacturer:	Vince Hagan	Model:	VH-1083 JP
Stack Height from Ground:	19.5 (ft)	Exit Air Flow Rate:	6500 (acfm) 30-40 CFM
Stack Inside Diameter:	UNK (ft)	* PM_{10} Control Efficiency:	99.8 (%)
* Manufacturer Grain Loading Guarantee:			
* Attach manufacturer's PM_{10} control efficiency if available.			

ELECTRICAL GENERATOR SET INFORMATION (IF APPLICABLE)

Manufacturer:	Cummins ONAN	**Model:**	DFAB
Maximum Rated Capacity:	☐ Hp 230 ☒ kW		
Fuel Type:	☐ Gasoline ☒ Diesel ☐ Natural Gas ☐ Propane		
Maximum Fuel Usage Rate:	14.3 ☒ gal./hr. ☐ cfh		
Maximum Daily Hrs. of Operations:	8 (hours/day)		
Maximum Annual Hrs. of Operations:	800 (hours/year)		
Stack Parameters:	Stack Height from Ground (ft): 14 Stack Inside Diameter (ft): .333	Stack Exhaust Flow Rate (acfm): 1500 Stack Exhaust Gas Temperature (°F): 920	

ADDITIONAL GENERATOR (if applicable)

Manufacturer:		**Model:**	
Maximum Rated Capacity:	☐ Hp ☐ kW		
Fuel Type:	☐ Gasoline ☐ Diesel ☐ Natural Gas ☐ Propane		
Maximum Fuel Usage Rate:	☐ gal./hr. ☐ cfh		
Maximum Daily Hrs. of Operations:	(hours/day)		
Maximum Annual Hrs. of Operations:	(hours/year)		
Stack Parameters:	Stack Height from Ground (ft): ____ Stack Inside Diameter (ft): ____	Stack Exhaust Flow Rate (acfm): ____ Stack Exhaust Gas Temperature (°F): ____	

☐ **$1,000 PTC application fee enclosed**

Certification of Truth, Accuracy, and Completeness (by Responsible Official)
I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.

David Z Walters — *Responsible Official Signature*

President — *Responsible Official Title*

3-20-07 — *Date*

DAVID Z. WALTERS — *Print or Type Responsible Official Name*

Form #AQ-F-C016
Rev. 2
12/12/06

Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706
For assistance, call the Air Permit Hotline: 1-877-5PERMIT

DEQ - AIR QUALITY PROGRAM

PORTABLE EQUIPMENT RELOCATION FORM

Company Name:	Walters Ready Mix Inc.
Phone Number:	208-356-5491
Mailing Address:	P.O. Box 390 - Rexburg, ID. 83440
Contact:	James Walters
Signature:	James Walters Date: 3-26-07

Plant Type (HMA, Rock Crusher, Mfr., Model No.)		Portable Concrete Batch plant		
Type of Permit	Permit to Construct or Operating Permit	(Yes)	No	If Yes, Facility ID: New -
	Permit by Rule	Yes	No	If Yes, Facility ID:
Fuel Type for Generator:	Dsl.			
Have any major components of the plant or its air pollution equipment been replaced or modified since the plant last operated? Yes (No) If Yes, attach explanation on additional paper.				

Current Location, include county and nearest city:	342 W. 4th N. Rexburg, Madison Co.
New Location, include county and nearest city:	97th South Yellowstone Hwy, Bonneville Co. - Shelly
Estimated Startup Date: (month/day/year)	UNK.
Estimated End Date: (month/day/year)	UNK.

Will Plant be co-located with another rock crusher, concrete batch, or hot-mix asphalt plant at new location?				Yes (No)
If Yes	Name of Other Company:			
	Type of Plant: ❑ Rock Crusher ❑ Concrete Batch ❑ Hot-Mix Asphalt			
	Type of Permit: Permit to Construct or Operating Permit	Yes	No	If Yes, Facility ID:
	Type of Permit: Permit by Rule	Yes	No	If Yes, Facility ID:

Will plant be operated in conjunction with a state of Idaho contract?		Yes (No)
If Yes	Contract No.:	
	State of Idaho Contact Person:	
	Phone Number:	

THIS FORM MUST BE SUBMITTED TEN (10) DAYS BEFORE PLANT IS RELOCATED.

A scaled plot plan identifying the property boundary of the new site must be included with this form (see Permit Application Form PP-Plot Plan for guidance).

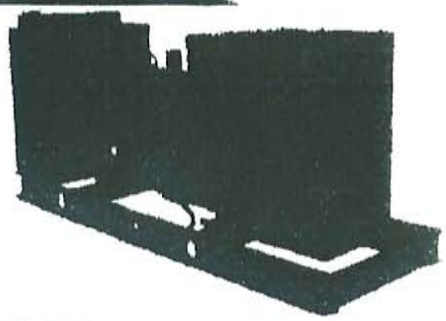
Mail to: **Air Quality Program Office - Application Processing**
Department of Environmental Quality
1410 North Hilton
Boise, ID 83706-1255

Or, Fax to: **208-373-0340**
Attn: Air Quality Program Office - Application Processing

Power Generation

Diesel Generator Set
Model DFAB 60 Hz

230 kW, 288 kVA Standby
210 kW, 263 kVA Prime



Description

The Cummins Power Generation DF-series commercial generator set is a fully integrated power generation system providing optimum performance, reliability, and versatility for stationary standby or prime power applications.

A primary feature of the DF GenSet is strong motor-starting capability and fast recovery from transient load changes. The torque-matched system includes a heavy-duty Cummins 4-cycle diesel engine, an AC alternator with high motor-starting kVA capacity, and an electronic voltage regulator with three-phase sensing for precise regulation under steady-state or transient loads. The DF GenSet accepts 100% of the nameplate standby rating in one step, in compliance with NFPA 110 requirements.

The standard PowerCommand® digital electronic control is an integrated system that combines engine and alternator controls for high reliability and optimum GenSet performance.

Optional weather-protective housings and coolant heaters improve starting in extreme operating conditions. A wide range of options, accessories, and services are available, allowing configuration to your specific power generation needs.

Every production unit is factory tested at rated load and power factor. This testing includes demonstration of rated power and single-step rated load pickup. Cummins Power Generation manufacturing facilities are registered to ISO9001 quality standards emphasizing our commitment to high quality in the design, manufacture, and support of our products. The generator set is CSA certified and is available as UL2200 Listed.

All Cummins Power Generation systems are backed by a comprehensive warranty program and supported by a worldwide network of 170 distributors and service branches to assist you with warranty, service, parts, and planned maintenance support.

Features

- **UL Listed Generator Set** - The complete generator set assembly is available Listed to UL2200.
- **Cummins Heavy-Duty Engine** - Rugged 4-cycle industrial diesel engine delivers reliable power, low emissions, and fast response to load changes.
- **Alternator** - Several alternator sizes offer selectable motor-starting capability with low reactance 2/3 pitch windings, low waveform distortion with non-linear loads, fault-clearing short-circuit capability, and class H insulation. The alternator electrical insulation system is UL1446 Recognized.
- **Permanent Magnet Generator (PMG)** - Offers enhanced motor starting and fault-clearing short circuit capability.
- **Control System** - The PowerCommand electronic control is standard equipment and provides total genset system integration, including automatic remote starting/stopping, precise frequency and voltage regulation, alarm and status message display, AmpSentry™ protection, output metering, auto-shutdown at fault detection, and NFPA 110 compliance. PowerCommand control is Listed to UL508.
- **Cooling System** - Provides reliable running at the rated power level, at up to 50°C ambient temperature.
- **Structural Steel Skid Base** - Robust skid base supports the engine, alternator, and radiator.
- **E-Coat Finish** - Dual electro-deposition paint system provides high resistance to scratching, corrosion, and fading.
- **Housings** - Optional weather-protective housings are available.
- **Fuel Tanks** - Dual wall sub-base fuel tanks and in-skid day tanks are also offered.
- **Certifications** - Generator sets are designed, manufactured, tested, and certified to relevant UL, NFPA, ISO, IEC, and CSA standards.
- **Warranty and Service** - Backed by a comprehensive warranty and worldwide distributor network.

Specifications subject to change without notice

Generator Set

The general specifications provide representative configuration details. Consult the outline drawing for installation design.

Specifications – General

See outline drawing 500-3012 for installation design specifications.

Unit Width, in (mm)	50.0 (1270)
Unit Height, in (mm)	63.7 (1617)
Unit Length, in (mm)	134.0 (3404)
Unit Dry Weight, lb (kg)	5900 (2676)
Unit Wet Weight, lb (kg)	6090 (2762)
Rated Speed, rpm	1800
Voltage Regulation, No Load to Full Load	±0.5%
Random Voltage Variation	±0.5%
Frequency Regulation	Isochronous
Random Frequency Variation	±0.25%
Radio Frequency Interference	IEC 801.2, Level 4 Electrostatic Discharge IEC 801.3, Level 3 Radiated Susceptibility IEC 801.4, Level 4 Electrical Fast Transients IEC 801.5, Level 5 Voltage Surge Immunity MIL STD 461C, Part 9 Radiated Emissions (EMI)

Cooling	Standby	Prime
Fan Load, HP (kW)	11.4 (8.5)	11.4 (8.5)
Coolant Capacity with radiator, US Gal (L)	13.0 (49.2)	13.0 (49.2)
Coolant Flow Rate, Gal/min (L/min)	97.0 (367.1)	97.0 (367.1)
Heat Rejection To Coolant, Btu/min (MJ/min)	7600.0 (8.1)	6900.0 (7.3)
Heat Radiated To Room, Btu/min (MJ/min)	2950.0 (3.1)	2720.0 (2.9)
Maximum Coolant Friction Head, psi (kPa)	7.0 (48.3)	7.0 (48.3)
Maximum Coolant Static Head, ft (m)	60.0 (18.3)	60.0 (18.3)

Air		
Combustion Air, scfm (m^3/min)	610.0 (17.3)	560.0 (15.8)
Alternator Cooling Air, scfm (m^3/min)	1240.0 (35.1)	1240.0 (35.1)
Radiator Cooling Air, scfm (m^3/min)	13320.0 (377.0)	13320.0 (377.0)
Max. Static Restriction, in H_2O (Pa)	0.5 (124.5)	0.5 (124.5)

Rating Definitions

Standby Rating based on: Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271 and BS5514). Nominally rated.

Prime (Unlimited Running Time) Rating based on: Applicable for supplying power in lieu of commercially purchased power. Prime power is the maximum power available at a variable load for an unlimited number of hours. A 10% overload capability is available for limited time. (Equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514). This rating is not applicable to all generator set models.

Base Load (Continuous) Rating based on: Applicable for supplying power continuously to a constant load up to the full output rating for unlimited hours. No sustained overload capability is available for this rating. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO8528, ISO3046, AS2789, DIN6271, and BS5514). This rating is not applicable to all generator set models.

Site Derating Factors

Rated power available up to 7300 ft (2227 m) at ambient temperatures up to 104°F (40°C). Above 7300 ft (2227 m), derate at 4% per 1000 ft (305 m) and 1% per 10°F (2% per 11°C) above 104°F (40°C).

Engine

Cummins heavy duty diesel engines use advanced combustion technology for reliable and stable power, low emissions, and fast response to sudden load changes

Electronic governing provides precise speed regulation, especially useful for applications requiring constant (isochronous) frequency regulation such as Uninterruptible Power Supply (UPS) systems, non-linear loads, or sensitive electronic loads. Optional coolant heaters are recommended for all emergency standby installations or for any application requiring fast load acceptance after start-up.

Specifications – Engine

Base Engine	Cummins Model LTA10-G1, Turbocharged and Aftercooled, diesel-fueled
Displacement in^3 (L)	610.0 (10.0)
Overspeed Limit, rpm	2100 ±50
Regenerative Power, kW	26.00
Cylinder Block Configuration	Cast iron with replaceable wet cylinder liners, In-line 6 cylinder
Cranking Current	550 amps at ambient temperature of 32°F (0°C)
Battery Charging Alternator	45-amps
Starting Voltage	24-volt, negative ground
Lube Oil Filter Types	Single spin-on, full flow/bypass
Standard Cooling System	122°F (50°C) ambient radiator

Power Output	**Standby**	**Prime**
Gross Engine Power Output, bhp (kWm)	380.0 (283.5)	345.0 (257.4)
BMEP at Rated Load, psi (kPa)	247.0 (1703.0)	226.0 (1558.2)
Bore, in. (mm)	4.92 (125.0)	4.92 (125.0)
Stroke, in. (mm)	5.35 (135.9)	5.35 (135.9)
Piston Speed, ft/min (m/s)	1605.0 (8.2)	1605.0 (8.2)
Compression Ratio	16.0:1	16.0:1
Lube Oil Capacity, qt. (L)	38.0 (36.0)	38.0 (36.0)
Fuel Flow		
Fuel Flow at Rated Load, US Gal/hr (L/hr)	64.0 (242.2)	64.0 (242.2)
Maximum Inlet Restriction, in. Hg (mm Hg)	4.0 (101.6)	4.0 (101.6)
Maximum Return Restriction, in. Hg (mm Hg)	6.5 (165.1)	6.5 (165.1)
Air Cleaner		
Maximum Air Cleaner Restriction, in. H_2O (kPa)	25.0 (6.2)	25.0 (6.2)
Exhaust		
Exhaust Flow at Rated Load, cfm (m^3/min)	1660.0 (47.0)	1500.0 (42.4)
Exhaust Temperature, °F (°C)	950.0 (510.0)	920.0 (493.3)
Max Back Pressure, in. H_2O (kPa)	41.0 (10.2)	41.0 (10.2)

Fuel System	Direct injection, number 2 diesel fuel; fuel filter; automatic electric fuel shutoff

Fuel Consumption		**Standby**				**Prime**			
60 Hz Ratings, kW (kVA)		**230 (288)**				**210 (263)**			
	Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
	US Gal/hr	5.2	8.7	12.1	15.6	4.9	8.0	11.2	14.3
	L/hr	20	33	46	59	19	30	42	54

Alternator

Several alternators are available for application flexibility based on the required motor-starting kVA and other requirements. Larger alternator sizes have lower temperature rise for longer life of the alternator insulation system. In addition, larger alternator sizes can provide a cost-effective use of engine power in across-the-line motor-starting applications and can be used to minimize voltage waveform distortion caused by non-linear loads.

Single-bearing alternators couple directly to the engine flywheel with flexible discs for drivetrain reliability and durability. No gear reducers or speed changers are used. Two-thirds pitch windings eliminate third-order harmonic content of the AC voltage waveform and provide the standardization desired for paralleling of generator sets. The standard excitation system is a PMG excited system.

Alternator Application Notes

Separately Excited Permanent Magnet Generator (PMG) System - This standard system uses an integral PMG to supply power to the voltage regulator. A PMG system generally has better motor-starting performance, lower voltage dip upon load application, and better immunity from problems with harmonics in the main alternator output induced by non-linear loads. This system provides improved performance over self-excited regulators in applications that have large transient loads, sensitive electronic loads (especially UPS applications), harmonic content, or that require sustained short-circuit current (sustained 3-phase short circuit current at approximately 3 times rated for 10 seconds).

Alternator Sizes - On any given model, various alternator sizes are available to meet individual application needs. Alternator sizes are differentiated by maximum winding temperature rise, at the generator set standby or prime rating, when operated in a 40°C ambient environment. Available temperature rises range from 80°C to 150°C. Not all temperature rise selections are available on all models. Lower temperature rise is accomplished using larger alternators at lower current density. Lower temperature rise alternators have higher motor-starting kVA, lower voltage dip upon load application, and they are generally recommended to limit voltage distortion and heating due to harmonics induced by non-linear loads.

Alternator Space Heater - is recommended to inhibit condensation.

Available Output Voltages

Three Phase Reconnectable

[ ] 110/190
[ ] 115/200
[ ] 120/208
[ ] 127/220
[ ] 139/240
[ ] 120/240
[ ] 220/380
[ ] 240/416
[ ] 254/440
[ ] 277/480

Three Phase Non-Reconnectable

[ ] 277/480
[ ] 347/600

Warranty

All components and subsystems are covered by an express limited one-year warranty. Other optional and extended factory warranties and local distributor maintenance agreements are available. Contact your distributor/dealer for more information.

Certifications

ISO9001 - This generator set was designed and manufactured in facilities certified to ISO9001.

CSA - This generator set is CSA certified to product class 4215-01.

PTS - The Prototype Test Support (PTS) program verifies the performance integrity of the generator set design. Products bearing the PTS symbol have been subjected to demanding tests in accordance to NFPA 110 to verify the design integrity and performance under both normal and abnormal operating conditions including short circuit, endurance, temperature rise, torsional vibration, and transient response, including full load pickup.

UL - The generator set is available Listed to UL2200, Stationary Engine Generator Assemblies. The PowerCommand control is Listed to UL508 - Category NITW7 for U.S. and Canadian usage.

See your distributor for more information

Power Generation

Cummins Power Generation
1400 73rd Avenue N.E.
Minneapolis, MN 55432
763.574.5000
Fax: 763.574.5298
www.cumminspowergeneration.com

Important: Backfeed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.

 Specifications subject to change without notice

Generator Set Options

Engine

[ ] 120/208/240 V, 2500 W coolant heater (thermostatically controlled)
[ ] 480 V, 2500 W coolant heater (thermostatically controlled)
[ ] 120 V, 300 W lube oil heater
[ ] 208/240 V, 300 W lube oil heater
[ ] 480 V, 300 W lube oil heater
[ ] Fuel/water separator
[ ] Heavy duty air cleaner with safety element

Cooling System

[ ] Heat exchanger cooling
[ ] Remote radiator cooling

Fuel System

[ ] 19 Gal (72 L) In-skid day tank
[ ] 138 Gal (522 L) Sub-base tank
[ ] 484 Gal (1832 L) Sub-base tank
[ ] Day tank rupture basin

Alternator

[ ] 80°C rise alternator
[ ] 105°C rise alternator
[ ] 120/240 V, 300 W anti-condensation heater

Control Panel

[ ] 120/240 V, 100 W control anti-condensation space heater
[ ] Exhaust pyrometer
[ ] Fuel-pressure gauge (engine mounted)
[ ] Remote fault signal dry contact relay package
[ ] Run relay package

Exhaust System

[ ] Critical grade exhaust silencer
[ ] Industrial grade exhaust silencer
[ ] Residential grade exhaust silencer

Generator Set

[ ] AC entrance box
[ ] Batteries
[ ] Battery charger, equalizer, float type
[ ] Export box packaging
[ ] Ground fault alarm
[ ] UL2200 Listed
[ ] Main line circuit breaker
[ ] Narrow profile skid base
[ ] Paralleling accessories
[ ] Remote annunciator panel
[ ] Spring isolators
[ ] Weather-protective housing with mounted silencer
[ ] 2 year prime power warranty
[ ] 2 year standby warranty
[ ] 5 year basic power warranty
[ ] 5 year comprehensive power warranty
[ ] 10 year major components warranty

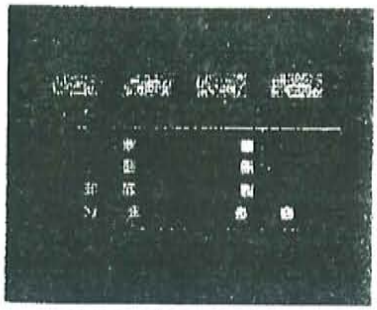
Available Products and Services

A wide range of products and services is available to match your power generation system requirements. Cummins Power Generation products and services include:

- Diesel and Spark-Ignited Generator Sets
- Transfer Switches
- Bypass Switches
- Parallel Load Transfer Equipment
- Digital Paralleling Switchgear
- PowerCommand Network and Software
- Distributor Application Support
- Planned Maintenance Agreements

Specifications subject to change without notice

Control System



Optional Features Shown

PowerCommand® Control with AmpSentry™ Protection

- AmySentry Protection guards the electrical integrity of the alternator and power system from the effects of overcurrent, over/under voltage, under frequency and overload conditions.
- Control components are designed to withstand the vibration levels typical in generator sets.
- Integrated automatic voltage regulator and engine speed governor

Standard Control Description

- Analog % of current meter (amps)
- Analog % of load meter (kW)
- Analog AC frequency meter
- Analog AC voltage meter
- Cycle cranking control
- Digital display panel
- Emergency stop switch
- Idle mode control
- Menu switch
- Panel backlighting
- Remote starting, 24 V, 2 wire
- Reset switch
- Run-Off-Auto switch
- Sealed front panel, gasketed door
- Self diagnostics
- Separate customer interconnection box
- Voltmeter/Ammeter phase selector switch

Standard Protection Functions

Warnings

- High coolant temperature
- High DC voltage
- Low coolant temperature
- Low DC voltage
- Low fuel-day tank
- Low oil pressure
- Oil pressure sender fault
- Overcurrent
- Overload load shed contacts
- Temperature sender fault
- Up to four customer fault inputs
- Weak battery

Shutdowns

- Emergency stop
- Fail to crank
- High AC voltage
- High coolant temperature
- Low AC voltage
- Low coolant level (option for alarm only)
- Low oil pressure
- Magnetic pickup failure
- Overcrank
- Overcurrent
- Overspeed
- Short circuit
- Underfrequency

Standard Performance Data

AC Alternator

- Current by phase
- Kilowatts
- Kilowatt hours
- Power factor
- Voltage line to line
- Voltage line to neutral

Engine Data

- Battery voltage
- Coolant temperature
- Engine running hours
- Engine starts counter
- Oil pressure
- Oil temperature
- RPM

Specifications subject to change without notice

Specifications – Alternator

Design	Brushless, 4-pole, drip-proof revolving field
Stator	2/3 pitch
Rotor	Direct-coupled by flexible disc
Insulation System	Class H per NEMA MG1-1.65 and BS2757
Standard Temperature Rise	125°C standby
Exciter Type	Permanent Magnet Generator (PMG)
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct-drive centrifugal blower
AC Waveform Total Harmonic Distortion	<5% total no load to full linear load <3% for any single harmonic
Telephone Influence Factor (TIF)	<50 per NEMA MG1-22.43.
Telephone Harmonic Factor (THF)	<3

Three Phase Table[1]		**80° C**	**80° C**	**105° C**	**105° C**	**125° C**	**125° C**	**125° C**					
Feature Code		B280	B302	B259	B301	B258	B246	B300					
Alternator Data Sheet Number		303	303	303	302	302	301	301					
Voltage Ranges		110/190 Thru 139/240 220/380 Thru 277/480	347/600	110/190 Thru 139/240 220/380 Thru 277/480	347/600	110/190 Thru 139/240 220/380 Thru 277/480	277/480	347/600					
Surge kW		256	259	256	258	254	256	256					
Motor Starting kVA (at 90% sustained voltage)	PMG	1210	1210	1210	1028	1028	904	904					
Full Load Current - Amps at Standby Rating		120/208 798	127/220 764	139/240 691	220/380 437	240/416 399	254/440 377	277/480 346	347/600 277				

Notes:

1. Single Phase Capability: Single phase power can be taken from a three phase generator set at up to 40% of the generator set nameplate kW rating at unity power factor.

MODEL JP "JET PULSE" CENTRAL DUST COLLECTORS

SPECIFICATIONS
Jet-Pulse Dust Collector

Model	Cloth Area (Sq. Ft.)	No. of Bags	ACFM	Blower H.P.	A/C Ratio
VH-700JP	700	64	4,200	7.5	6:1
VH-1083JP	1083	99	6,500	15	6:1
VH-1094JP	1094	100	6,500	15	6:1
VH-1203JP	1203	110	7,200	15	6:1

Hagan Jet-Pulse Filter Bag

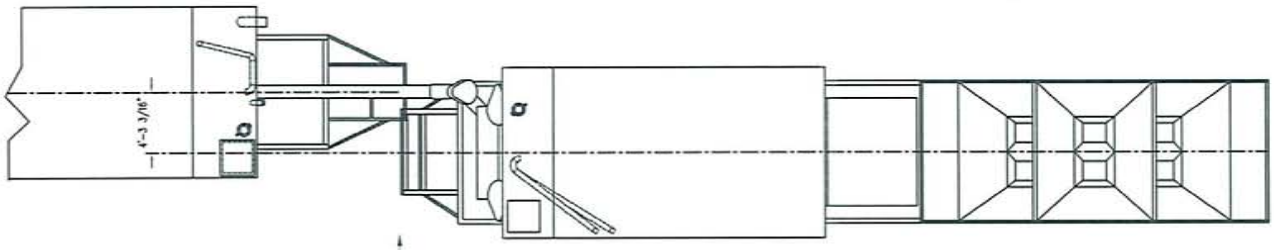
Efficiency	99.8% At 1 Micron
Cloth Type	Polyester Felt
Cloth Weave	Polyester .08 (Nom.)
Permeability	30 to 40 CFM/Sq. Ft. @ /.5 w.g.
Bag Weight	16 + 1 Oz./Sq. Ft.
Construction	Needle punched scrim supported
Bag Length	84"
Bag Diameter	6"

Silo Top "Jet Pulse" Dust Collector

SPECIFICATIONS
Model VH-245JP

Cloth Filtering Area	245 Sq. Ft.
Number of Cartridges	7
Cartridge Diameter	8.00" O.D.
Cartridge Length	36"
Cloth Type	Spun-Bound Polyester
Cloth Weight	8.1 Oz./Sq. Yd.
Permeability	28-33 CFM/Sq.Ft. @ 0.5" Water
Temperature Limit	200 DEG.F
Air Volume Intake	600 CFM @ 0.5" Water
Exhaust Opening Size	0.226 Sq. Ft.
Efficiency	99.995 @ .2 - 2 Microns

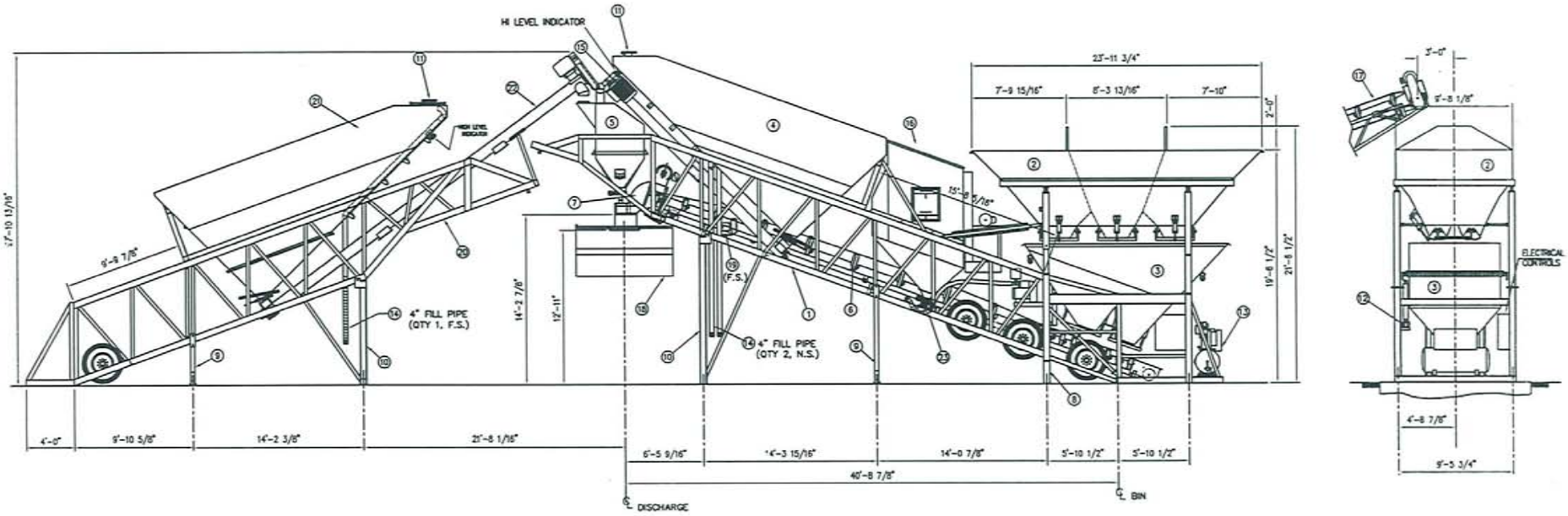
Call now : 1-800-354-3238
THE VINCE HAGAN CO.
P.O. Box 655141 • Dallas, TX 75265-5141
214-330-4601 • Fax: 214-331-9177
www.vincehagan.com • vhco@airmail.net



PLAN VIEW

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	WT.	REMARKS
1	1	HT TRUSS ASSEMBLY		N-400
2	1	AGGREGATE BIN 65 TON 3-COMP		N4230
3	1	AGGREGATE WEIGH BATCHER, 12 CU YD W/ 2" VIBRATOR		N-471
4	1	CEMENT SILO 400 BBL W/ HIGH LEVEL INDICATOR		N-935
5	1	CEMENT WEIGH BATCHER 12 CU. YD. 111 CU FT		N-544
		W/ 1 1/4" VIBRATOR		
6	1	INTRUSS CONVEYOR 36" W/ 30 HP DRIVE		N-924
7	1	36" DISCHARGE HOOD		N-2898
8	2	STUB LEG		N-400-1
9	2	TELESCOPIC LEG ASS'Y		
10	2	SWING LEG ASS'Y		
11	2	POP OFF RELIEF VALVE		N-373C
12	1	3" BADGER WATER METER		
13	1	15 HP COMPRESSOR W/ 120 GAL TANK		T30151120H
14	3	FLEX HOSE 4" 10'-0" LG W/ ALUMINUM ADAPTOR		
15	2	10" CEMENT FEEDER W/ 15 HP DRIVES		N-11
16	1	INTRUSS 1083 "JET PULSE" DUST COLLECTOR		JP1083A
17	1	30" x 65' RADIAL STACKER		RST30F003
18	1	3-SIDED DUST SHROUD		DUSTPA025
19	1	5 HP AERATION BLOWER		DR707D88X
20	1	HCA TRUSS ASSEMBLY		N-2930
21	1	HCA-400		HCADA003
22	1	10" DIA x 33'-0" FLYASH FEEDER		N-110
23	1	DUST RECYCLE SYSTEM		



GENERAL NOTES:
1. INPUT POWER REQUIREMENTS: 460V/3PH/60HZ/300AMPS
2. TRAVEL HEIGHT: 14'-6" (BASED ON 4' KING PIN HEIGHT)
3. TRAVEL WEIGHT: 60,000 POUNDS (APPROXIMATE)
4. PREWIRED FOR CONNECTION TO COMPUTER CONTROL BY OTHERS

REV.	BY	DATE	DESCRIPTION

MADE FROM JOB# 011031 | REV.

THE VINCE HAGAN COMPANY
DALLAS, TEXAS

OWNER: STOCK
DIST.:
MODEL NO.: HT-12400C-65/3, HCA-400,
TITLE: GENERAL ARRANGEMENT

DWN. BY	CKD. BY	DATE REL.	SCALE	DRAWING NO.
[illegible]	DCC		N.T.S.	HTCA0026 STOCK

FEES RECEIVED FROM FACILITY

Date Stamp (date received in PO)	
	RECEIVED APR 11 2007 DEPARTMENT OF ENVIRONMENTAL QUALITY
Facility Name	Walters Ready Mix Inc.
Facility Location	Rexburg
Fee Type (PTC Application, PTC Processing, T2 Processing)	PTC
Check Number	003451
Check Date	03/28/07
Check Amount	$1,000.00

Legal
Section 15, Twn. 1 North
37E. B.M.

97th S. Yellowstone

N

Legend

1" = 154.41'

B = Property Boundry

X-X-X = Fence Line

= Unpaved Road

— — — = canal